

For Research Use Only

# GPX4 (Human Specific) Recombinant antibody



Catalog Number: 82822-2-RR

## Basic Information

<b>Catalog Number:</b> 82822-2-RR	<b>GenBank Accession Number:</b> BC021567	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 750 µg/ml	<b>GeneID (NCBI):</b> 2879	<b>CloneNo.:</b> 6E9
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P36969	<b>Recommended Dilutions:</b> WB 1:2000-1:15000
<b>Isotype:</b> IgG	<b>Full Name:</b> glutathione peroxidase 4 (phospholipid hydroperoxidase)	
<b>Immunogen Catalog Number:</b> AG30650	<b>Observed MW:</b> 20-23 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, HepG2 cells, Jurkat cells, HEK-293 cells
<b>Species Specificity:</b> Human	

## Background Information

GPX4 (Phospholipid hydroperoxide glutathione peroxidase, mitochondrial) protects cells against membrane lipid peroxidation and cell death. Required for normal sperm development and male fertility. It has two isoforms about 20kDa and 22kDa, respectively. GPX4 is a monomer, but it has a tendency to form higher mass oligomers (PMID:17630701). 82822-2-RR is human specific.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

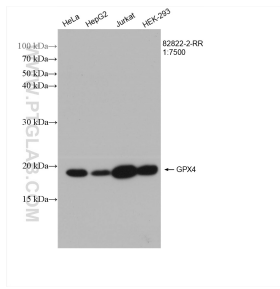
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82822-2-RR (GPX4 antibody) at dilution of 1:7500 incubated at room temperature for 1.5 hours.